Government of
Saskatchewan

Interim Annual Report
1983

Saskatchewan Health
Vital Statistics

3475 Albert Street
Regina, Saskatchewan
S4S 6X6

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Department of Health

To the Honourable F. W. Johnson
Lieutenant Governor of Saskatchewan

May It Please Your Honour:

I have the honour to present herewith, for your consideration, the Interim Report on Saskatchewan Vital Statistics for the calendar year 1983.

Respectfully submitted,

Graham Taylor
Minister of Health

Department of Health

To the Honourable Graham Taylor
Minister of Health

Sir:

I have the honour to forward herewith the Interim Report on Saskatchewan Vital Statistics for the calendar year 1983.

This interim report presents a concise record of those vital events which occurred in Saskatchewan during the calendar year 1983.

The Final Vital Statistics Annual Report will be published following the Department of Health's receipt of additional information from Statistics Canada in Ottawa. For this reason, the data presented in this Vital Statistics Interim Report may not be reconciled with the information which will be presented in the Final Vital Statistics Annual Report.

Respectfully submitted

K. J. Fyke
Deputy Minister of Health

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Terms and Definitions

A summary of symbols, definitions, and the method of computing rates used in this report are given below.

Definitions

Population	This report contains intercensal estimates for 1982 - 1983.
Live Births	Infants born alive, i.e., excluding stillbirths.
Stillbirths	Unless otherwise indicated, foetal deaths of 28 or more weeks' gestation.
Deaths	Excludes stillbirths.
Infant Deaths	Deaths under 1 year of age.
Neonatal Deaths	Deaths under 28 days (4 weeks) of age.
Perinatal Deaths	Foetal deaths of 20 or more weeks' gestation plus infant deaths under 7 days (1 week) of age.
Natural Increase	Excess of births over deaths.

Rates (unless otherwise indicated, computed as follows)

Live Births	: per 1,000 population
Stillbirths	: per 1,000 live births
Infant	: per 1,000 live births
Neonatal	: per 1,000 live births
Perinatal	: per 1,000 live births and stillbirths

Causes of Death

All Causes	: per 100,000 population
Infant	: per 1,000 live births
Marriages	: per 1,000 population
Divorces	: per 100,000 population
Natural Increase	: per 1,000 population

Notes

1. Causes of death are classified according to the 9th (1975) Revision of the International Classification of Diseases, Injuries and Causes of Death, which was put into effect on January 1, 1979.

Introduction

The Vital Statistics Interim Report presents a concise record of those vital events which occurred in Saskatchewan during the calendar year 1983. The Interim Report has been prepared in response to the requirements contained in the Tabling of Documents Act (1973). The present methods utilized in the collection of data for the Vital Statistics Annual Report do not permit the tabling of the Annual Report within the time frame established by this legislation. The Vital Statistics Annual Report will be published following the Department of Health's receipt of the necessary information from Statistics Canada in Ottawa.

The Vital Statistics Interim Report - 1983 records vital events by place of occurrence for 1983 (vital events which occurred in Saskatchewan in 1983). It includes for example, births to Saskatchewan residents who were in the province at the time of giving birth and residents of other provinces (or countries) who were in Saskatchewan at the time of giving birth. The data in this report are based on original registration forms and do not incude amendments. The Vital Statistics Annual Report, on the other hand, records vital events by place of residence (vital events involving Saskatchewan residents whether or not the resident was in the province at the time of the event) and includes amended information. The vital events recorded in this report for years previous to 1983 are by place of residence.

Table 1. Summary of Vital Statistics, Saskatchewan, 1976 - 1983

Item	1978	1979	1980	1981	1982	1983*
Population	944	953	961	968	981	993
Live Births	16,551	16,944	17,057	17,209	17,722+	17,823
Rate++	17.5	17.8	17.7	17.8	18.1	17.9
Deaths	7,749	7,369	7,651	7,523	8,202+	7,620
Rate++	8.2	7.7	8.0	7.8	8.4+	7.7
Natural Increase	8,802	9,575	9,406	9,686	9,520+	10,203
Rate++	9.3	10.0	9.8	10.0	9.7+	10.3
Infant Deaths	236	194	193	203	186+	177
Rate**	14.3	11.4	11.3	11.8	10.5+	9.9
Neonatal Deaths	151	121	102	112	113+	102
Rate**	9.1	7.1	6.0	6.5	6.4+	5.7
Perinatal Deaths						
20+ weeks gestation	274	242	223	230+	231	210
Rate+++	16.4	14.2	12.9	13.3+	12.9	11.7
28+ weeks gestation	234	212	186	196	195+	185
Rate+++	14.1	12.4	10.8	11.3	10.9+	10.3
Stillbirths						
20+ weeks gest.	139	138	130	137+	139	119
Rate**	8.4	8.1	7.6	8.0	7.8	6.7
28+ weeks gest.	99	108	91	103+	103+	94
Rate**	6.0	6.4	5.3	6.0	5.8+	5.3
Marriages	7,139	7,269	7,561	7,329+	7,491+	7,504
Rate++	7.6	7.6	7.9	7.6	7.6	7.6
Divorces and Annulments	1,358	1,488	1,829	1,905	1,819	2,008

* Preliminary figures - See Introduction, page 3
\+ Revised figure
** Rate per 1,000 live births
++ Rate per 1,000 population
+++Rate per 1,000 total births (live births and stillbirths)

A. Population

1. The Historical Trend

The estimated population of 992,700 for 1983 is an increase of 1.14 per cent over the 1982 estimated population of 981,400.

Table 2. The Historical Trend in Saskatchewan Population

Year	Population (000's)
1931	922
1941	896
1951	832
1961	925
1971	926
1976	921
1981	968
1983	993*

* Statistics Canada Intercensal Estimate

2. The Percentage Distribution of the Total Population

During the past 30 years, the proportion of older people (65 years of age and over) has been increasing in Canada as a whole and in Saskatchewan. In Saskatchewan, however, the proportion of persons 65 years of age and over is greater than in Canada as a whole (12.3 percent and 10.0 percent respectively).

Table 3. Distribution of Total Population, Saskatchewan, 1983 (000's)

Age Group	Canada		Saskatchewan	
	Number	Percent	Number	Percent
Total	24,889.8	100.0	992.7	100.0
0-19	7,605.1	30.6	330.5	33.3
20-44	10,022.9	40.3	357.0	36.0
45-64	4,765.1	19.1	182.9	18.4
65+	2,496.5	10.0	122.0	12.3

Table 4. Percentage Distribution by Sex, Saskatchewan, for Selected Years

Year	Male	Female	Males per 100 Females
1921	54.6	45.4	120
1931	54.2	45.8	119
1941	53.3	46.7	114
1951	52.2	47.8	109
1961	51.8	48.2	108
1971	50.8	49.2	103
1981	50.2	49.8	101
1983	50.1	49.9	101

B. Births

1. Live Births

During the year 1983 a total of 17,823 live births occurred in the Province of Saskatchewan. This total includes births to Saskatchewan mothers residing in the Province of Saskatchewan at the time of giving birth and those births occurring to mothers who normally reside outside the province but who were in Saskatchewan at the time of giving birth.

The total of 17,823 live births represents a birth rate of 17.9 live births per 1,000 population, slightly lower than last year's birth rate.

The 1982 live birth rates for Saskatchewan, for Canada, and for the Provinces are shown below for comparison.

Table 5. Live Birth Rates per 1,000 Population, Canada and Provinces, 1982

Province	Rate
Canada	15.2
Newfoundland	16.1
Prince Edward Island	15.7
Nova Scotia	14.4
New Brunswick	15.0
Quebec	14.0
Ontario	14.3
Manitoba	15.6
Saskatchewan	18.1
Alberta	19.4
British Columbia	15.3

2. Stillbirths

During the year 1983 a total of 119 stillbirths occurred in the province. The definition of occurrence is given in the introduction. The 119 stillbirths occurred after 20 or more weeks gestation; 94 of the stillbirths occurred after 28 or more weeks gestation. These two totals represent rates of 6.7 and 5.3 stillbirths per 1,000 live births, respectively.

C. Deaths

During the year 1983 a total of 7,620 deaths occurred within the Province of Saskatchewan. This represents a crude death rate of 7.7 deaths per 1,000 population, down from the crude death rate experienced in 1982.

The 1982 crude death rates for Saskatchewan, for Canada, and for the provinces are shown in the table below for comparison.

Table 6. Crude Death Rates per 1,000 Population, Canada and Provinces, 1982

Province	Rate
Canada	7.1
Newfoundland	5.9
Prince Edward Island	8.0
Nova Scotia	8.1
New Brunswick	7.4
Quebec	6.7
Ontario	7.3
Manitoba	8.2
Saskatchewan	8.4
Alberta	5.6
British Columbia	7.4

Table 7. Age Specific Death Rates per 1,000 Population, Saskatchewan, 1973 - 1982

Year	All Ages	Age Group Under 5	5-14	15-24	25-44	45-64	65+
1973	8.5	4.3	0.4	1.4	1.5	7.6	54.6
1974	8.7	5.2	0.5	1.4	1.8	7.4	55.1
1975	8.5	4.6	0.4	1.4	1.7	7.5	53.0
1976	8.5	3.8	0.4	1.4	1.8	8.0	52.5
1977	8.1	4.0	0.4	1.6	1.6	7.0	50.3
1978	8.2	4.0	0.5	1.3	1.6	7.3	50.2
1979	7.7	3.2	0.3	1.4	1.6	7.1	46.3
1980	8.0	3.0	0.3	1.2	1.5	7.2	48.1
1981	7.8	3.1	0.4	1.2	1.4	7.1	46.1
1982	8.4	2.6	0.3	1.3	1.3	7.7	49.8

Table 8. Number of Deaths by Cause Occurring in Saskatchewan in 1983

	Deaths	Percent	Rate
All Causes of Death	7,620	100.0	767.6
02 Tuberculosis	5	0.1	0.5
03 Other Bacterial Diseases	13	0.2	1.3
04 Viral Diseases	7	0.1	1.7
07 Other Infectious, Parasitic Diseases	5	0.1	0.5
08 M N of Lip, Oral Cavity, Pharnyx	25	0.3	2.5
09 M N of Digestive Organs, Peritoneum	525	6.9	52.9
10 M N of Respiratory & Related Organs	386	5.1	38.9
11 M N of Bone, Skin, Breast	161	2.1	16.2
12 M N of Genitourinary Organs	325	4.3	32.7
13 M N of Other & Unspecified Sites	126	1.7	12.7
14 M N of Lymph & Haemopoietic Tissue	158	2.1	15.9
15 Benign Neoplasm	3	0.0	0.3
17 Other & Unspecified Neoplasm	16	0.2	1.6
18 Endocrine & Metabolic Diseases	166	2.2	16.7
19 Nutritional Deficiencies	5	0.1	0.5
20 Diseases of Blood/Forming Organs	22	0.3	2.2
21 Mental Disorders	54	0.7	5.4
22 Diseases of the Nervous System	120	1.6	12.1
25 Rheumatic Fever/Heart Disease	33	0.4	3.3
26 Hypertensive Disease	75	1.0	7.6
27 Ischaemic Heart Disease	1,897	24.9	191.1
28 Pulmonary & Other Heart Disease	513	6.7	51.7
29 Cerebrovascular Disease	665	8.7	67.0
30 Other Diseases of Circulatory System	261	3.4	26.3
31 Diseases of Upper Respiratory Tract	5	0.1	0.5
32 Other Diseases of Respiratory System	720	9.4	72.5
34 Other Parts of Digestive System	305	4.0	30.7
35 Diseases of Urinary System	122	1.6	12.3
36 Diseases of Male Genital Organ	8	0.1	0.8
37 Disease of Female Genital Organs	2	0.0	0.2
39 Direct Obstetric Causes	1	0.0	0.1
42 Disease of Skin	4	0.1	0.4
43 Musculoskeletal & Connective Tissue	30	0.4	3.0
44 Congenital Anomalies	74	1.0	7.5
45 Conditions in Perinatal Period	60	0.8	6.0
46 Symptoms & Ill-defined Conditions	50	0.7	5.0
E47 Transport Accidents	256	3.4	25.8
E48 Accidental Poisoning	30	0.4	3.0
E49 Misadventures During Medical Care	5	0.1	0.5
E50 Accidental Falls	56	0.7	5.6
E51 Accidents Caused by Fire & Flames	31	0.4	3.1
E52 Other Accidents, Late Effects	104	1.4	10.5
E53 Effects of Drugs and Medication	2	0.0	0.2
E54 Suicide and Self-inflicted Injury	144	1.9	14.5
E55 Homicide & Intentional Injury	32	0.4	3.2
E56 Other Violence	13	0.2	1.3

*Crude Rate per 100,000 population (Statistics Canada Population Base)

Accidents and Violence

During the year 1983 a total of 484 deaths due to accidents occurred in the Province of Saskatchewan. This represents a rate of 48.7 deaths by accident per 100,000 population in 1983 as compared to a rate of 54.4 deaths by accident per 100,000 population in 1982.

The number of suicides which occurred in Saskatchewan during 1983 was 144, a rate of 14.5 suicides per 100,000 population, down from the 1982 number of 171.

There were 32 homicides in Saskatchewan in 1983, a slight decrease from the 1982 number of 33 homicides.

D. Natural Increase in Population

In Saskatchewan from 1972 - 1974 the natural increase exceeded the net increase in population indicating net emigration from the province. In 1983 the natural increase was 10,203 and the estimated actual increase was 11,300 giving rates per 1,000 population of 10.3 and 11.4 respectively. This indicates a net immigration into Saskatchewan.

Table 9. Natural Increase and Actual Increase, Saskatchewan, 1973 - 1983*

Year	Population	Live Births	Deaths	Natural Increase Number	Natural Increase Rate per 1,000 pop	Est. Actual Incr. Number	Est. Actual Incr. Rate per 1,000 pop
1973	904,500	14,806	7,646	7,160	7.9	- 9,500	-10.5
1974	899,700	15,118	7,814	7,304	8.1	- 4,800	- 5.3
1975	907,400	15,265	7,672	7,593	8.4	7,700	8.5
1976	921,325	15,969	7,809	8,160	8.9	13,925	15.1
1977	934,600	16,547	7,594	8,953	9.6	13,275	14.2
1978	943,500	16,551	7,749	8,802	9.3	8,900	9.4
1979	952,500	16,944	7,369	9,575	10.0	9,000	9.4
1980	961,100	17,057	7,651	9,406	9.8	8,600	8.9
1981	968,313	17,209	7,523	9,686	10.0	7,213	7.4
1982	981,400	17,759	8,173	9,586	9.8	13,087	13.3
1983	992,700	17,823	7,620	10,203	10.3	11,300	11.4

* See footnotes in Table 1.

E. Marriages

During the year 1983 a total of 7,504 marriages occurred in Saskatchewan. This total represents a rate of 7.6 marriages per 1,000 population. Marriage rates for Canada, the Provinces, and Saskatchewan for 1982 are given below for comparison.

Table 10. Marriage Rate per 1,000 Population, Canada and the Provinces, 1982

Province	Rate
Canada	7.6
Newfoundland	6.5
Prince Edward Island	7.0
Nova Scotia	7.6
New Brunswick	7.0
Quebec	5.9
Ontario	8.2
Manitoba	8.0
Saskatchewan	7.6
Alberta	9.6
British Columbia	8.5

F. Divorces

In 1983 a total of 2,008 divorces and annulments were registered under the Vital Statistics Act in Saskatchewan at the time of publication. This does not represent the total number of divorce petitions filed in 1983 since some petitions are not yet finalized.

G. Life Expectancy

A life expectancy table is, in effect, the history of mortality of 100,000 male babies and of 100,000 female babies born at the same time. Life expectancy figures provide a graphic picture of the extent to which the saving of lives has gradually prolonged the average expectation of life and are a fairly good reflection of the general health and survival conditions at the time of their compilation.

According to the Saskatchewan life table compiled on the basis of the 1976 census, the life expectancy at birth reached an all time peak for females, 78.64 years, and for males, 71.13 years. The gain in life expectancy is greater in females. A sharp rise in the probability of death begins at age 56 for males and at 65 for females. The decrease in life expectancy is greater for males than for females.

Table 11. Life Expectancy, Saskatchewan, 1941, 1966, 1971, 1976

	Life Expectancy				Gain or Loss In Life Expectancy		
	1941	1966	1971	1976	1966 over 1941	1971 over 1966	1976 over 1971
				Males			
At Birth	65.43	70.09	70.50	71.13	4.66	0.41	0.63
20	51.28	53.14	53.40	53.47	1.86	0.26	0.07
40	33.32	34.88	35.15	35.24	1.56	0.27	0.09
60	16.82	18.08	18.49	18.54	1.26	0.41	0.05
80	5.76	6.39	6.87	6.73	0.63	0.48	-0.14
				Females			
At Birth	68.19	76.33	77.36	78.64	8.14	1.03	1.28
20	53.08	58.67	59.41	60.51	5.59	0.74	1.10
40	34.96	39.49	40.32	41.43	4.53	0.83	1.11
60	18.26	21.57	22.46	23.55	3.31	0.89	1.09
80	6.38	7.41	7.94	9.03	1.03	0.53	1.09

Note: Source of figures for 1941: Life Tables for Canada and Regions, 1941 and 1931, D.B.S. Ottawa 1947. These figures have been calculated for the prairie provinces. The figures for 1966 and 1971 were calculated for Saskatchewan by the Department of Health. The figures for 1976 were taken from the Statistics Canada publication, Life Tables, Canada and Provinces, 1975-1977.

H. Adoptions

There were 784 adoptions registered in Saskatchewan during 1983, compared to 843 adoptions in 1982. The total of 784 adoptions registered includes out-of-province adoptions of persons born in Saskatchewan as well as adoptions in Saskatchewan of persons born elsewhere.

I. Legal Changes of Name

During 1983 a total of 1062 legal changes of name were registered in Saskatchewan. This represents a slight decrease over the 1,067 changes of name registered in 1982. The total of 1,062 does not reflect the number of persons who changed their name as each application may affect more than one person and in some cases, an entire family.